FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXH267N11

Project No.	:	2103H042
Equipment	:	Home Gateway
Brand Name	:	ZTE
Test Model	:	ZXHN H267N
Series Model	:	N/A
Applicant	:	ZTE Corporation
Address	:	ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong, 518057 China
Manufacturer	:	ZTE Corporation
Address	:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park Nanshan District, Shenzhen, Guangdong, P.R. China
Date of Receipt	:	Mar. 31, 2021
Date of Test	:	Mar. 31, 2021~Apr. 20, 2021
Issued Date	:	Apr. 27, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.:SH20210331195 for radiated; SH20210331196 for conducted; SH20210331193-4, SH20210331193-20 for Adapter.
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091 FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Maker Qi

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Apr. 27, 2021

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	3
2	N/A	N/A	iron	N/A	3

Note:

(1) This EUT supports MIMO 2X2, any transmit signals are uncorrelated with each other, and the antenna gains are equal, so Directional gain =G_{ant}, that is Directional gain=3

(2) The antenna gain provided by the manufacturer.

Operating Mode / TX Mode	Ant. 1	Ant. 2	Ant. 1+2
IEEE 802.11b	✓	✓	✓
IEEE 802.11g	✓	✓	✓
IEEE 802.11n (HT20)	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓

2. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
3	1.99530	23	199.5262	0.0792020	1	Complies

End of Test Report